

> Denotes revised material in this JPM

JOB PERFORMANCE MEASURE

TASK CODE: CFO-137

TASK: Perform a Surface Contamination Survey for Alpha and Beta Activity

NAME: _____ **>BADGE:** _____

>REFERENCES: Only references for knowledge items are listed here. The trainee is expected to identify the correct references for practical items.

1. WP 12-HP1100, Radiological Surveys
- >2. WP 12-HP3400, Contamination Control
- >3. WP 12-5, WIPP Radiation Safety Manual

TERMINAL OBJECTIVE:

Given that a surface contamination survey is required, perform an alpha and beta contamination survey per WP 12-HP1100.

CONSEQUENCES OF INADEQUATE PERFORMANCE:

Improper survey results

HAZARDS (PERSONNEL/EQUIPMENT STATUS):

>Contamination of personnel/equipment

PRE-REQUISITE TRAINING/ TASK COMPLETION:

1. CL 1.00 Series
- >2. CL 2.05, Contamination Control
3. CFO-109, Operate a Portable Alpha Contamination Detection Instrument
4. CFO-110, Operate a Portable Beta Contamination Detection Instrument
5. CFO-111, Operate a Beta Laboratory Counter
6. CFO-129, Operate a Alpha Laboratory Counter

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

- | | |
|---------------------------------------|-------------------------|
| 1. Appropriate Survey Instrumentation | 4. Survey Documentation |
| >2. Active RWP, if needed | 5. Posting Materials |

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>3. Swipes, Large Area Wipes

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

>On performance items, if there is more than one means available to accomplish the step, circle the method used. Refer to the RCT-01 Qualification Standard for preference of use.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
1,3	Discuss the reason for performing surveys.	
1	Discuss the routine survey requirements.	
1	Discuss the various types of contamination survey techniques and when each would be used.	
1,2	Discuss the methods employed to prevent cross-contamination of smears.	
>1	Discuss initial actions upon identifying contamination above limits.	

PERFORMANCE REQUIREMENTS:

>Method	Performance Requirement	Pass/Fail
P	>Perform a swipe survey for loose surface contamination. #	
P	>Perform a large area wipe survey for loose surface contamination. #	
P	>Perform a direct contamination survey for alpha. #	
P	>Perform a direct contamination survey for beta. #	
P	Determine contamination survey results. #	
P, S	Document the survey. #	

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indicates a critical step

FINAL EVALUATION:

PASS

FAIL

COMMENTS:

EVALUATOR SIGNATURE:

_____ **DATE:** _____

TRAINEE SIGNATURE:

_____ **DATE:** _____

MANAGER SIGNATURE:

_____ **DATE:** _____